

Date: Sun, 3 Oct 93 04:30:14 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V93 #66
To: Ham-Ant

Ham-Ant Digest Sun, 3 Oct 93 Volume 93 : Issue 66

Today's Topics:

1/4 wave vs 5/8 wave
Ethernet Cable for Amateur Use
Greasing a rotor
Parallel Dipole

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 30 Sep 93 19:37:39 GMT
From: yale.edu!newsserver.jvnc.net!igor.rutgers.edu!dziuxsolim.rutgers.edu!
clam.rutgers.edu!xcaliber@yale.arpa
Subject: 1/4 wave vs 5/8 wave
To: ham-ant@ucsd.edu

Sorry guys I am a CB operator. Just wondering if I can get
some good information on 1/4 wave antennas and 5/8 wave antennas,
preferably omnidirectional type. Currently, I have a 1/4 wave
Antron-99 and was planning on upgrading on a 5/8 wave due to some
overall wave pattern efficiencys. Would it make a big difference on
my setup when properly grounded??

Date: Thu, 30 Sep 1993 23:05:07 GMT
From: swrinde!sdd.hp.com!portal!lhaven.UUmh.Ab.Ca!combdyn!
lawrence@network.ucsd.edu
Subject: Ethernet Cable for Amateur Use

To: ham-ant@ucsd.edu

In article <28d82s\$7f2@hpc Chase.rose.hp.com> cmoore@rose.hp.com (Chris Moore) writes:

>Tom Bruhns (tomb@lsid.hp.com) wrote:

>: Glenn D. O'Donnell (gdo@aloft.att.com) wrote:

>: : I have obtained a good amount of Teflon thick Ethernet coax cable.

>: : I would like to use it for my amateur antennas. It's shielded beyond

>: : belief with a braid-foil-braid-foil setup. Does anybody know how it's

>: : electrical characteristics relate to other popular coax types such as

>: : Belden 9913? I'm well aware that it is 50 ohm and expensive. :-)

>

>

>: It's time to once again post, from "Reference Data for Engineers,"

>

>(Lot's of cryptic technical stuff deleted. :-)

>

>Here's what my Belden catalog says. I'm not sure this is the same cable

>you have, but it sounds like it might be:

>

>Belden 9880

>Product Description:

>Solid bare copper center conductor; cellular PE insulation; foil shield,

>93% tinned copper braid, Duofoil shield, 95% tinned copper braid;

>Yellow PVC jacket, ring-band stripes marked every 2.5 meters.

>Outside diameter .405 inches.

>Impedance 50 Ohms

>Velocity Factor 78%

>Capacitance 26 pf/ft

>Attenuation 1.20db/100ft at 50 MHz

> .52db/100ft at 10 MHz

>

>Hope this helps.

Hmmm, I'm presently using thin-ethernet cable for my antenna run. Its horrible but I was in a hurry to get going and I just added 100' to an order I was making. Now I want something better.

I guess I'll try thick ethernet cable (we don't use it here at the office, but I can get it through the same supplier).

One is 9880 (actually about the same cost as the thin ethernet), what's the attenuation at 440 MHz? What's the difference between this stuff and 89880? Besides the 89880 being 10 times more expensive? How about 9901?

Of course after I get this cable, I have to find ends for it. My current antenna lead has a PL259 on one end (a push on connector that I got from Radio Shack) and a BNC connector which is normal for Thin-Ethernet. I'd

want to keep similar ends if I changed cables....maybe PL259 at both ends, but apparently the norm for thick ethernet is N connectors.....of course I have to crimp my own...which means buying a tool to do it....

--

--EMAIL-----PHONE-----FAX-----
| WORK: lawrence@combdyn.com | (403)529-2162 | (403)529-2516 | CallSign
| HOME: dreamer@lhaven.uumh.ab.ca | (403)526-6019 | (403)529-5102 | VE6LKC

disclamer = (working_for && !representing) + (Combustion Dynamics Ltd.);

Date: Thu, 30 Sep 1993 20:58:03 GMT
From: news.kpc.com!kpc!nat@decwrl.dec.com
Subject: Greasing a rotor
To: ham-ant@ucsd.edu

Hi,

I need to regrease my antenna rotor. Any advice on what kind I should use. I have a can full of white lithium based stuff that I use on my bike. Is this heavy duty enough for an antenna rotor. Could the experienced folks give me some advice.

Thanks in advance
Nat.

--

Natarajan Gurumoorthy AB6SJ Kubota Pacific Computer, Inc.
nat@kpc.com 2630 Walsh Avenue
Phone 408 987 3341 Santa Clara, California 95051.

Date: Thu, 30 Sep 1993 18:15:29 GMT
From: swrinde!sdd.hp.com!hpscit.sc.hp.com!hplextra!hpfcso!hplvec!
scott@network.ucsd.edu
Subject: Parallel Dipole
To: ham-ant@ucsd.edu

Thanks to those who responded to my request for information about trimming a parallel dipole to resonance. I've started the process working from 80/75 up. It is an interesting, slow and painfull process :-)

Thanks again for the responses.

Scott Turner N0VRF scott@hplsla.LVLD.HP.COM
HP VXi Systems Division

Date: Fri, 1 Oct 1993 05:05:44 GMT
From: swrinde!gatech!usenet.ins.cwru.edu!agate!library.ucla.edu!news.mic.ucla.edu!
unixg.ubc.ca!nntp.cs.ubc.ca!newsserver.sfu.ca!sfu.ca!tpang@network.ucsd.edu
To: ham-ant@ucsd.edu

References <28dsri\$jgs@crcnis1.unl.edu>, <1993Sep30.125649.7498@mulvey.com>,
<28fbhk\$3k6@nnrp.ucs.ubc.ca>
Subject : Re: Directional 50MHz Antenna for radio phone?

oseiler@unixg.ubc.ca (Oliver Seiler) writes:

>Somebody asked what a radio phone is... Well, it's a phone that uses radio :)
>Seriously, usually what it is is an addition to your normal phone line that
>receives in the radio band (and other bands) from a remote handset. Yes, sort
>of like a cordless, but much more powerful. You can use them from greater
>distances, like in a city. Some are analog, others are digital. Most seem
>to use UHF.

I have written a rather long e-mail giving some help to Oliver, plus the
information of the amateur radio society so he can also call there and
ask. As of now, he hasn't replied yet (we are local.) None of us has
any clue what kind of help he thinks he needs.

I guess we don't have to take this seriously, let's wait till Oliver
makes it more clear before we can help.

>-Oliver
>| Oliver Seiler + Erisian Development Group + Amiga Developer +
>| oseiler@unixg.ubc.ca +-----Reality by the Slice-----+
>| oseiler@nyx.cs.du.edu | (604) 683-5364 |
>| ollie@BIX.com | POB 3547, MPO, Vancouver, BC, CANADA V6B 3Y6 |

Bye,
David

+-----+
| In real life: David Tse E-mail: tpang@sfu.ca (Internet) |
| In amateur radio: VE7MDT Packet: VE7MDT@VE7UBC.#VANC.BC.CAN.NA |
| Snail Mail: P.O. Box 26052, Richmond B.C., V6Y 2B0, Canada. |
| Set-up: Amiga 3000/25, MAG MV-14S, AMaxII, ZyXEL 1496E, DeskJet+, HP48SX |
| Disclaimer: Anything here does not represent views of anyone except mine. |
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End of Ham-Ant Digest V93 #66
